

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
4 August 2005 (04.08.2005)

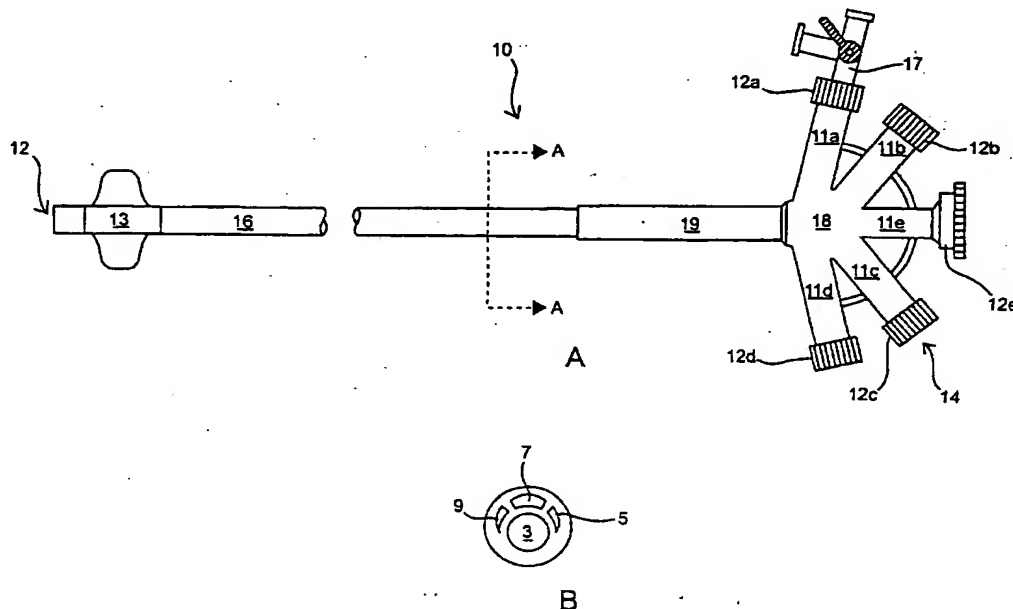
PCT

(10) International Publication Number  
**WO 2005/070109 A2**

- (51) International Patent Classification: Not classified (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: PCT/US2005/000616 ✓
- (22) International Filing Date: 7 January 2005 (07.01.2005) ✓
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/535,669 9 January 2004 (09.01.2004) US ✓
- (71) Applicant (*for all designated States except US*): CORAZON TECHNOLOGIES, INC. [US/US]; 191 Jefferson Drive, Menlo Park, California 94025 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): CONSTANTZ, Brent R. [US/US] (US).
- (74) Agent: FIELD, Bret E.; BOZICEVIC, FIELD & FRANCIS LLP, 1900 University Avenue, Suite 200, East Palo Alto, California 94303 (US).
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published: — *without international search report and to be republished upon receipt of that report*

[Continued on next page]

(54) Title: MULTILUMEN CATHETERS AND METHODS FOR THEIR USE ✓



(57) Abstract: Multilumen fluid delivery systems, as well as methods for their use, are provided. The subject multilumen fluid delivery systems include a multilumen aspiration catheter over a guidewire, which in many embodiments is a hollow guidewire. Also provided are kits comprising various components of the subject systems. The subject multilumen fluid delivery systems and kits find use in a variety of different applications in which it is desired to flush a vascular site with at least one and preferably two different fluids, where particular applications of interest include the treatment of vascular lesions, and particularly coronary vascular lesions.



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*